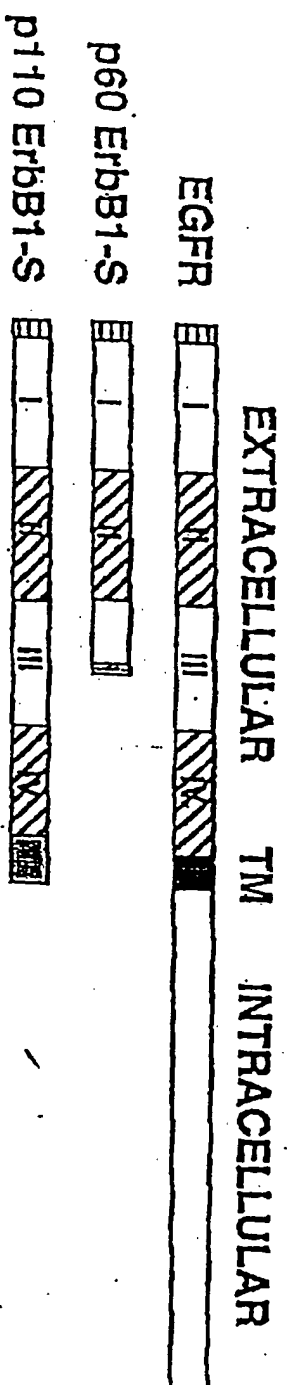


FIGURE 1



## p60 ErbB1-S

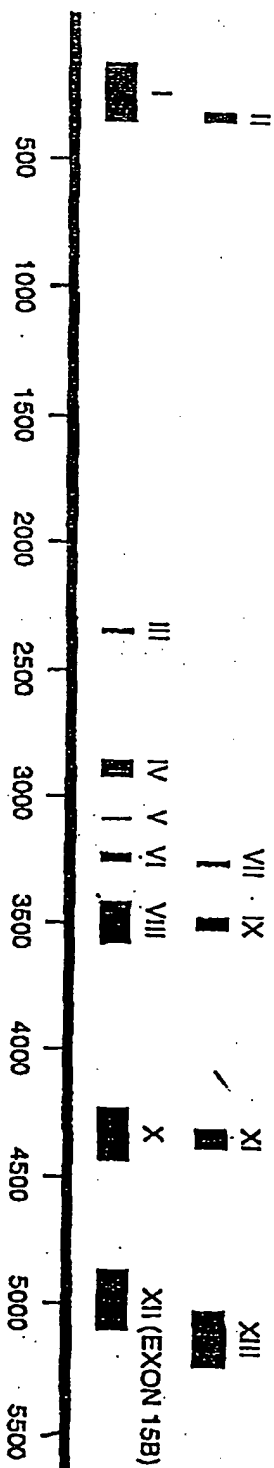
- encoded by 1.8 kb transcript
- mature product = 60 kDa
- Contains 381 amino acids
  - unique a.a: Leu and Ser
- Calculated mw = 45 kDa
- minus signal peptide = 42 kDa

## p110 ErbB1-S

- encoded by 3.0 kb transcript
- mature product = 110 kDa
- Contains 681 amino acids
  - 78 unique a.a
- Calculated mw = 77 kDa
- minus signal peptide = 75 kDa

FIGURE 2

# Alternative Exons Located in Human EGFR Intron 15



# Alternative Exons Located in Human EGFR Intron 16

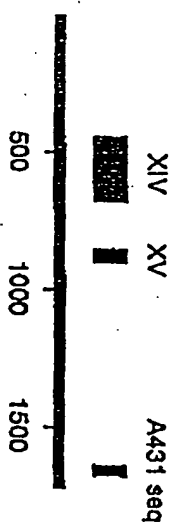


FIGURE 3

Seq ID      Alternative Exons (coding sequence only)      IVS #      Amino Acids      Translated Peptides

Exon 15	cag ggaccagacacgtgattccagtggtgcccacatgacatgacggcccccacatg cgtaagacctgcccgcagagatcattgggaaacacacaccctgctggaag taccgagacgcccgcacatgctggtgcccacatgacatgacatgacatgacg cag ccattgccatgacacatgctgctgtagacagccctcagtcagtgaggaatg actctgccatgacacccgtgtcccccggccgctgtgtgacatgctgacatg cacacagagagagggggacaaagacacagctcctgagccacacacag ctcagggcctttgctgttctctccagattctaaagcttaccatggcgattag ctgtttgcaatga	NA	53	gpdncioqahyldgphcvkcp agvngennltwkyadaghvch lchpncctyg
I	cag ccattgccatgacacatgctgctgtagacagccctcagtcagtgaggaatg actctgccatgacacccgtgtcccccggccgctgtgtgacatgctgacatg cacacagagagagggggacaaagacacagctcctgagccacacacag ctcagggcctttgctgttctctccagattctaaagcttaccatggcgattag ctgtttgcaatga	139-364	74	hassnlivsrrpqsngdsamhr vprgacvqccstsqdegrtkr hrsmqlpqspgafafslrflrl twglavliq*
II	cag atttctagcttgaacatgagggaattgctgttgcaatga	325-364	12	plrltwglavliq*
III	cag gaatacattatgataa	2342-2357	4	ktit*
IV	cag atgtgcatgatacctgctgacatcattatctatgacatgctgctgctg cagtgacatgattgctgctgctgctgctgctgctgctgctgctgctgctgctg	2857-2932	24	casvslhoylysisvsvsicc wa*
V	cag ctccctaa	3086-3092	1	g*
VI	cag tatgtgattgattacatttctgattctgagcctttttag	3229-3265	11	mcdiydpsepf*
VII	cag atag	3266-3269	0	*
VIII	gag taattatgacgtgacacacattccatgataatgctgctgctgctgctgctg agatggatgattgctgctgctgctgctgctgctgctgctgctgctgctgctg tttcttttaacaactgtgaaacagacatcagaccagacttacaacataagca gcctgctga	3422-3587	54	tydvhnirpeyivslisomcia psistvetltgvslytceqzh qspdvstissc*
IX	cag atggatgattgctgctgctgctgctgctgctgctgctgctgctgctgctg gctttctttaa	3474-3534	19	wdvlpspflllkhlqgfl*
X	cag agtttaccagggcctcattcagcctgacagagagccctgctgctgctgacg ctctcacattccttcttctgacagccctgctgctgctgctgctgctgctgctg ctcttcaagggtcactgctgctgctgctgctgctgctgctgctgctgctgctg tttagcaatccctatgctgctgctgctgctgctgctgctgctgctgctgctgctg	4233-4437	67	vteglisvrspspsdaltfs paapshcpcpaslqgstglpf ptslsollivsnpygcpkafsef a*
XI	cag ccccgctcctgacactgctgctgctgctgctgctgctgctgctgctgctgctg ctaccttccctncaagctgctgctgctgctgctgctgctgctgctgctgctgctg	4307-4394	28	pvlplslsfsrrvnmsuyfpyk svtas*
XII (Exon 15B)	cag gccaggaatgagagctcacaagcattgatttctgctgctgctgctgctgctg cattctgatacaagatgattgagcagctgctgctgctgctgctgctgctgctg ctgctcagagagctgattgagatgagatgctgctgctgctgctgctgctgctg agctggcttgggtgagatgagcaccattccattgctgctgctgctgctgctg tcattgacggccttctgctgctgctgctgctgctgctgctgctgctgctgctgctg	4870-5107	78	pgneslkanlfclfksscnos ndgsvshqsgspaaqescigwt psludsefolgmggcshlhamp sastvittassch*
XIII	cag agtttaccagctgctgctgctgctgctgctgctgctgctgctgctgctg gcattctgattcattcagcctgctgctgctgctgctgctgctgctgctgctgctg tctgttccccccttctgctgctgctgctgctgctgctgctgctgctgctgctgctg ccaaagatattcctacccatttctgctgctgctgctgctgctgctgctgctgctg ccccactagtagctaa	5022-5250	75	vsaglgwmqpppclaflcldh gullplslmpsrncsrrfsflp plhvgrovpksilplslplpl pvlplptss*
Exon 16	cag atgacactggcgacagctgctgaaagctgctgcaacgaatg	NA	13	ctgpglegcptng

FIGURE 4

09676380.092900

XIV	cag ACACACTGCCCCAGCAAGGCAAAAGGCGTTCCTTCACATCAGCTCTGGC CAGTTGSCAGAGCAAGCCCTGAGAAAACAGATGAAAGTCTTATCMA CTCACAGCAAGAGATGATGTTACTCTCGATGGCGCTAGCCAGCAATCATGA ATTATACACCGAGCACCTGTTGGCATTCTTGATGTTTCCAAACATGAACCAA CTTCCAGGCCCCCTCTGCCATCTCTGTAA	444-684	79	HTAQQRQKGFLLQHQLWPVCQSK ALRKALIKSLIQTHQERVTLIS MASQESMNYTPSTCLPFVMPF NMNQTSRPLCHLM*
XV	cag TGAGCTGCTAGGACACCCACAGAACTTCCCACTCCACACTGCAATCTC AGGATCTTAG	849-909	19	ELIGHPAELPHSTLQSQS*
A431 seq	tag AAGCTACATAGTGTCTCACTTCCAGATCATCTACAGATGTCAGTGC ACTGA	1633-1687	17	SYIVSHFPRSFYKMSVH*
Exon 17	cag GCCTTAGATCCCGTCATCGCCCACTGGATGATGGGGCCCTCCCTTGC TGCTGGTGGTGGCCCTGGGATCGCCCTCTTCATGCGAAGCGCCACATCGTTC GGAAGCGCAGCGTGGGAGGCTGCTGACAGAGAGGGAG	NA	47	PKIPSIATGHWGALLLLVVAL GIGLFMRRRHIVRKRTLRLDQ ERE

FIGURE 4, continued

# Co-expression of p170 and p110 EGFR in Chinese Hamster Ovary Cells

Protein Expression			
Stable	p170	vector	p170
Transient	vector	p110	p110

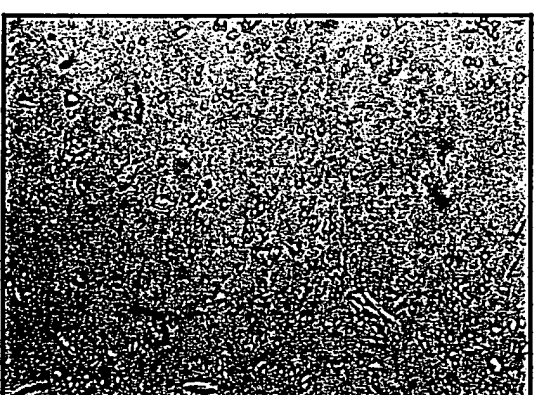
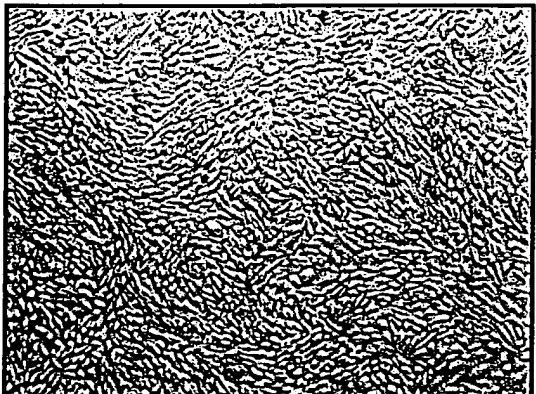
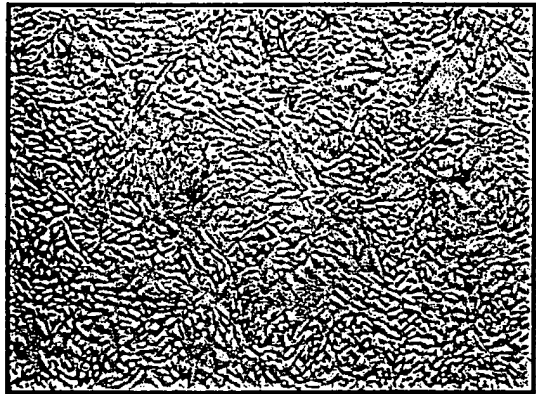


FIGURE 5

09676380.092900

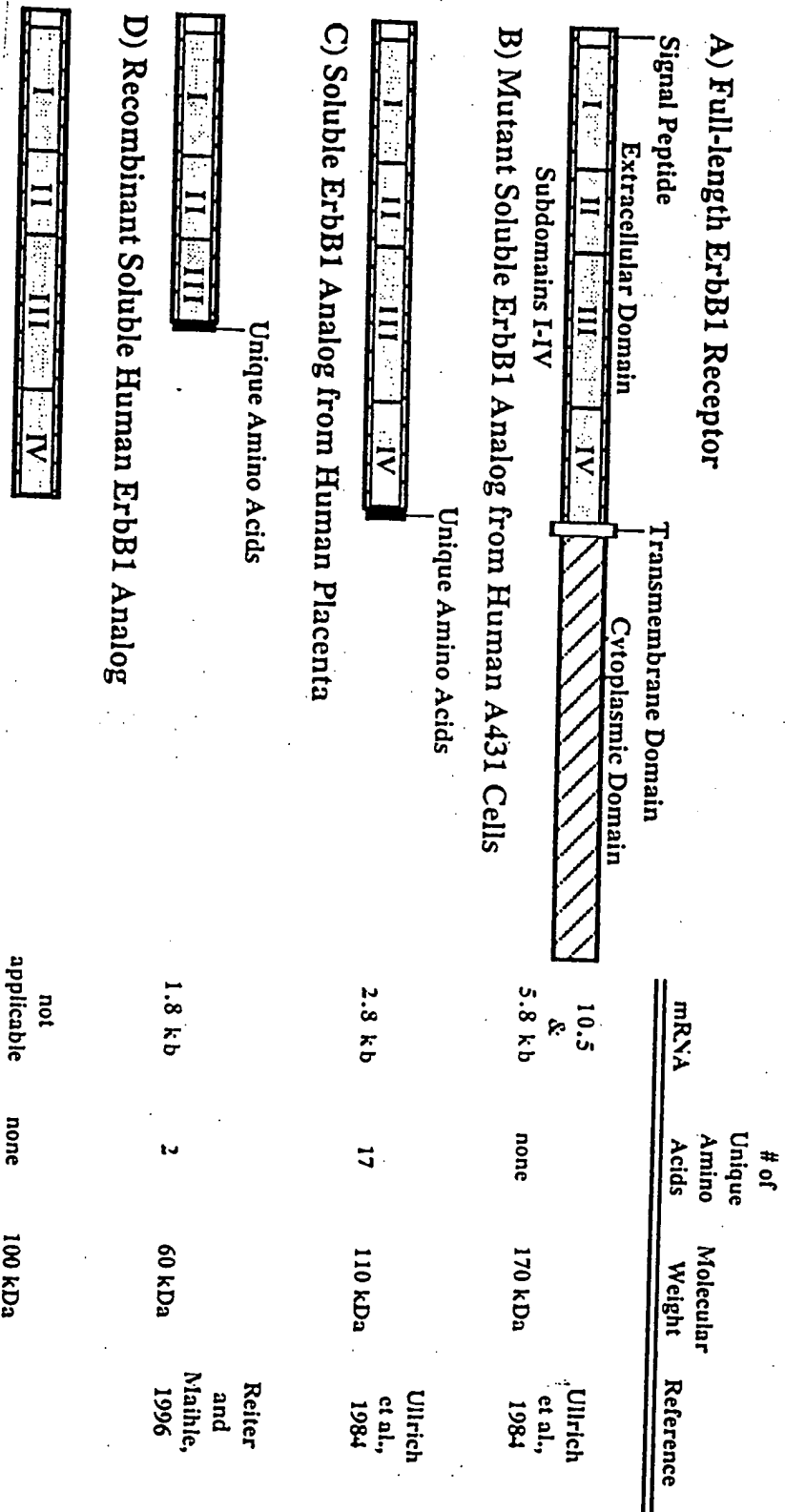


FIGURE 6

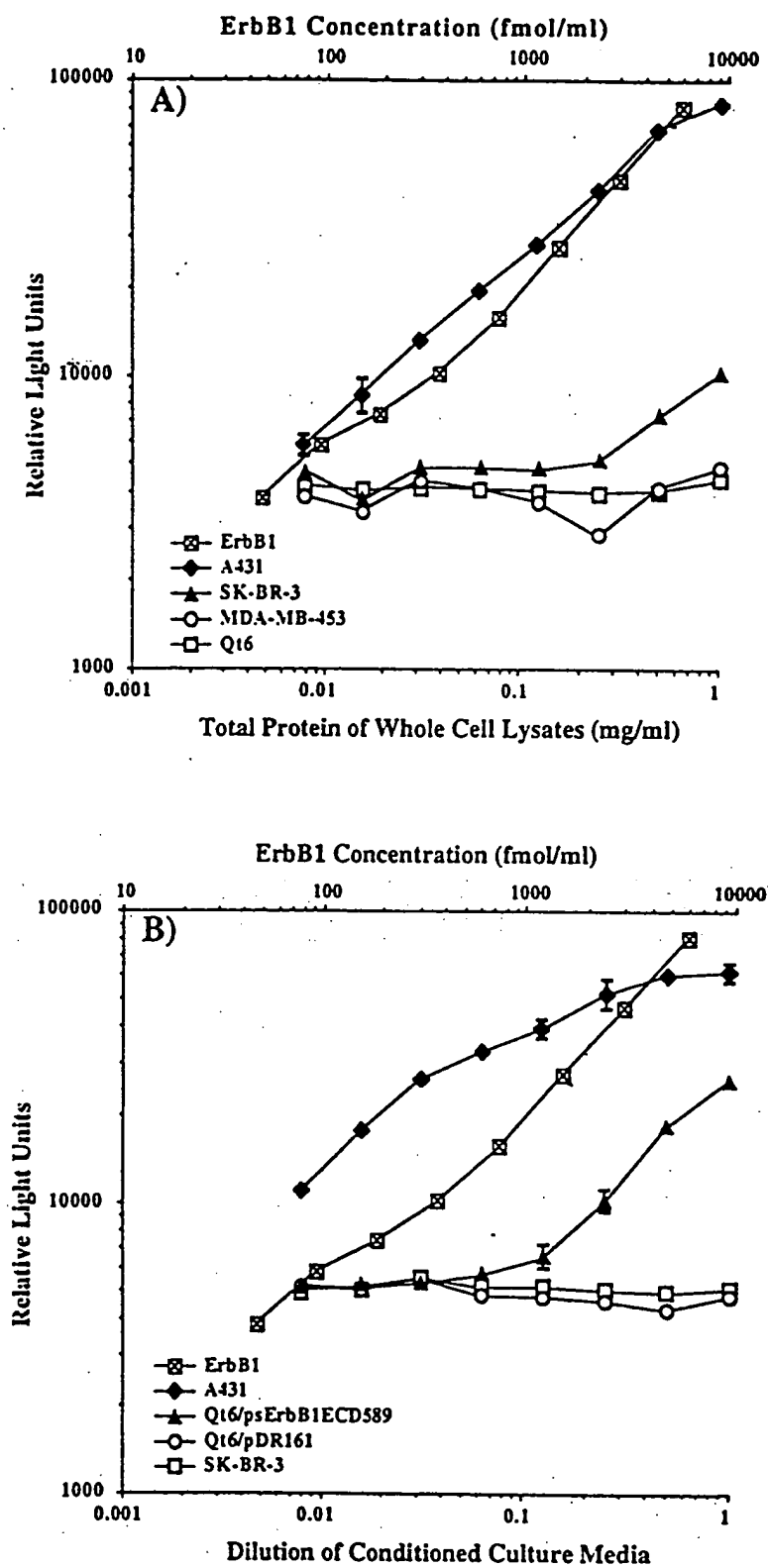


FIGURE 7

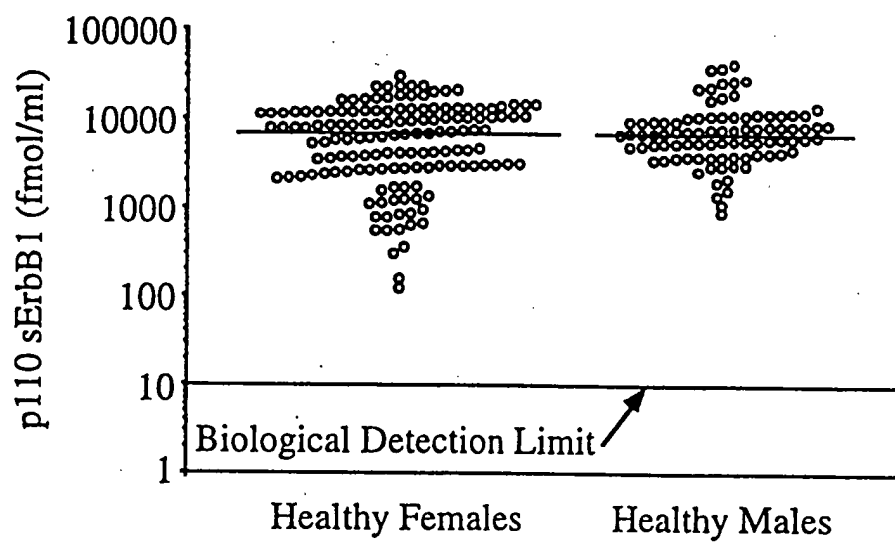


FIGURE 8

006360" 08E92960

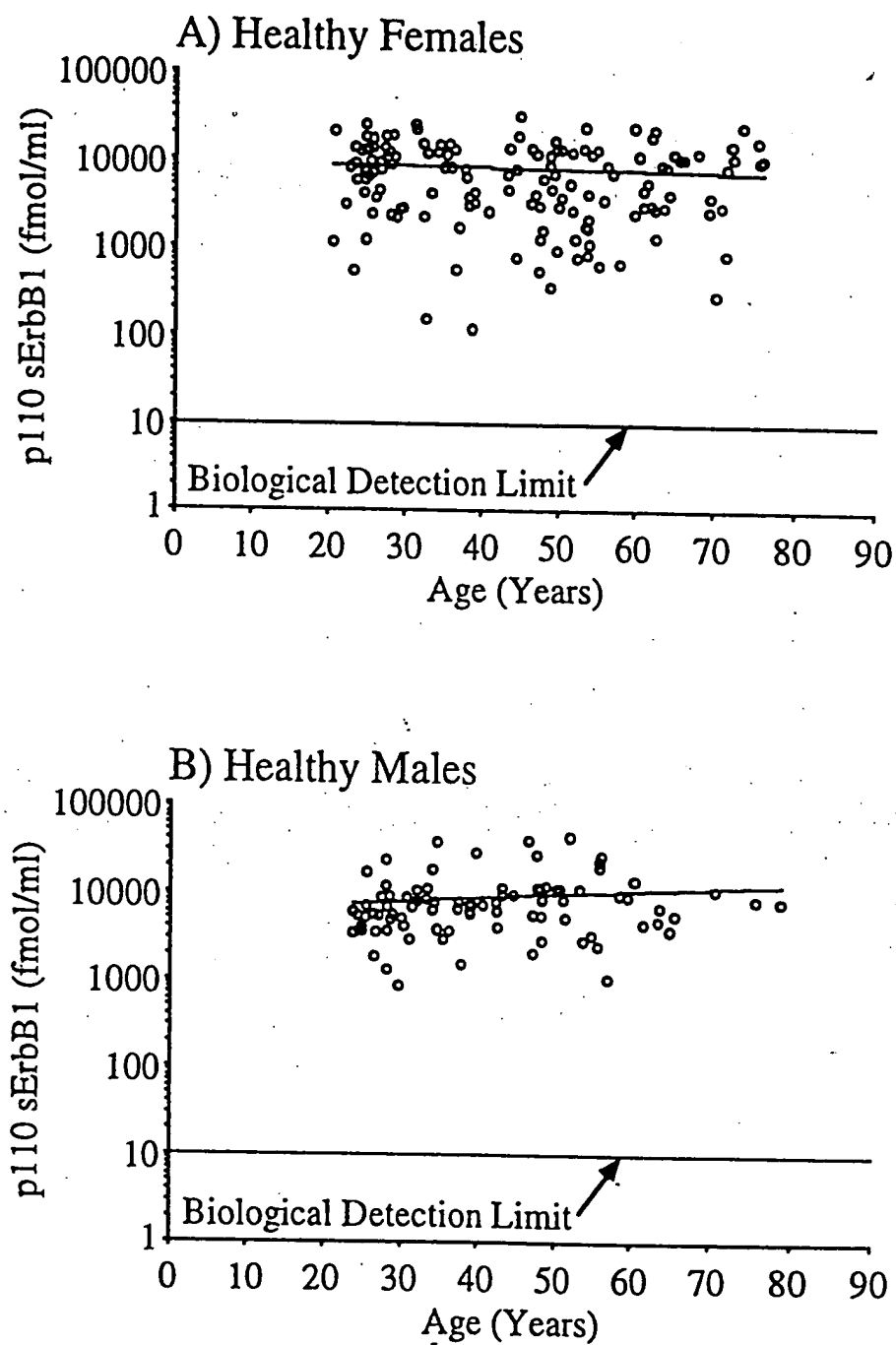


FIGURE 9

006260-08E97960

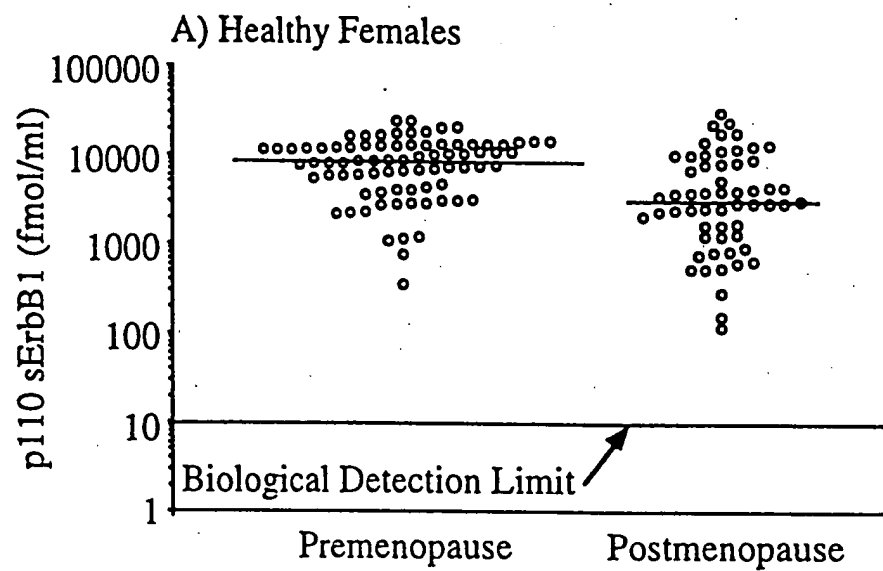


FIGURE 10

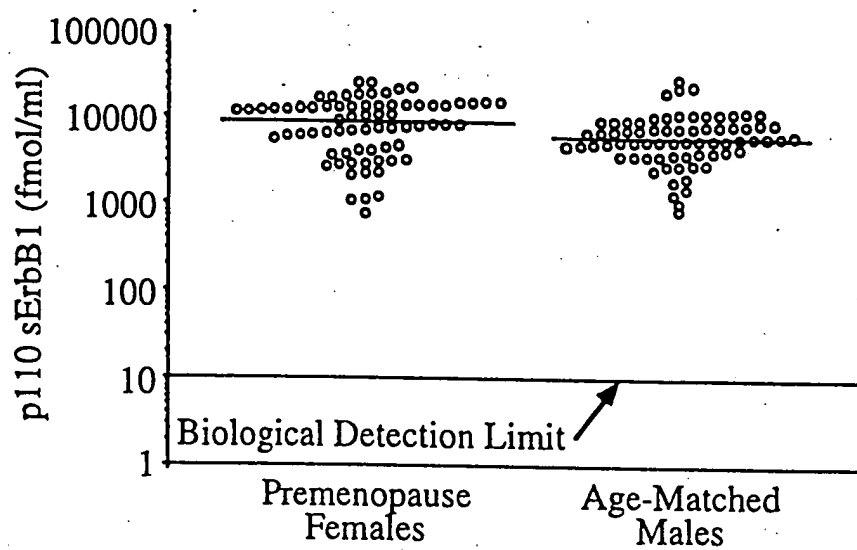
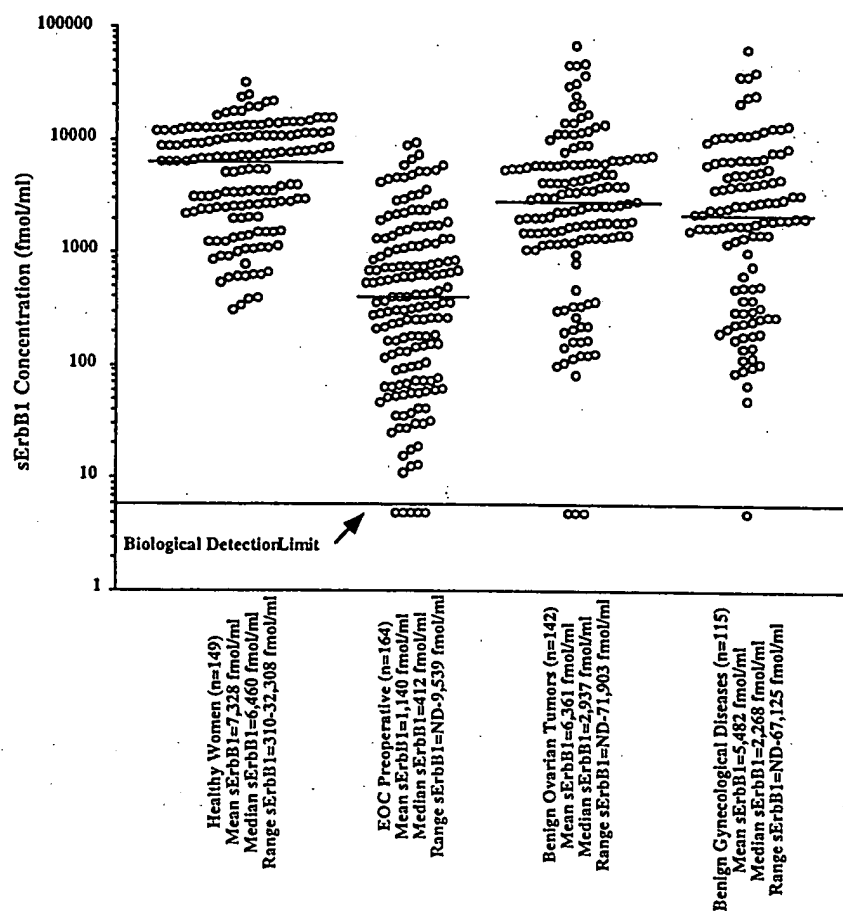


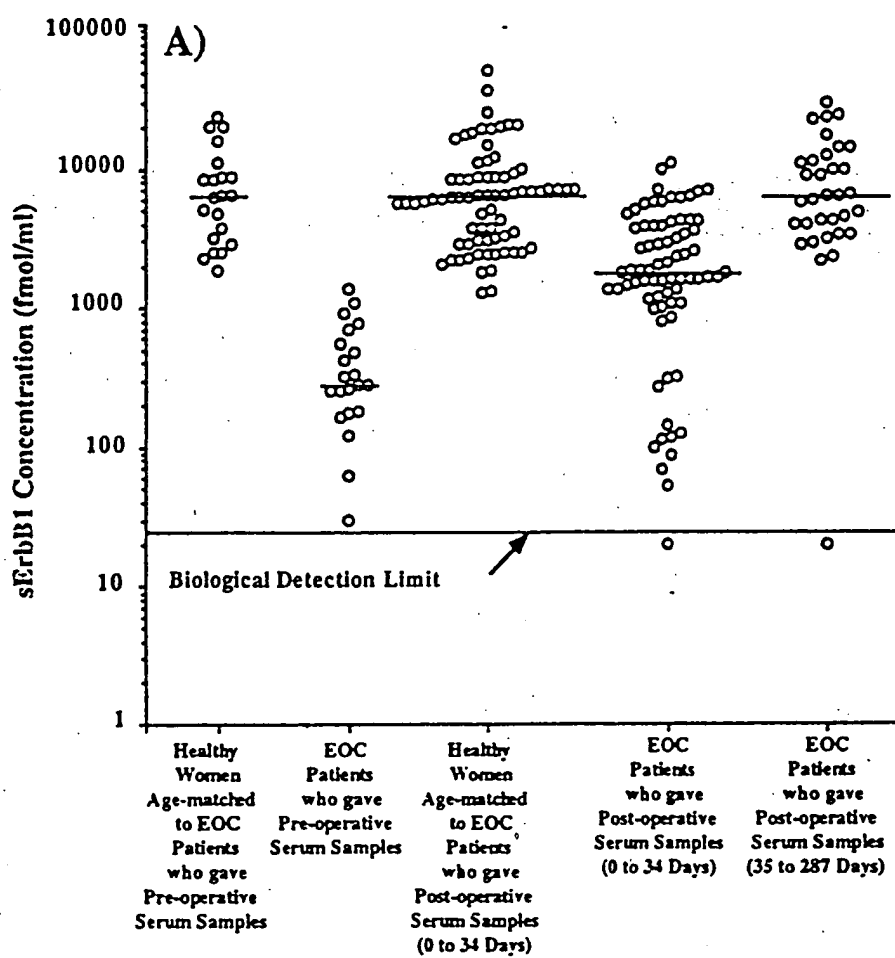
FIGURE 11



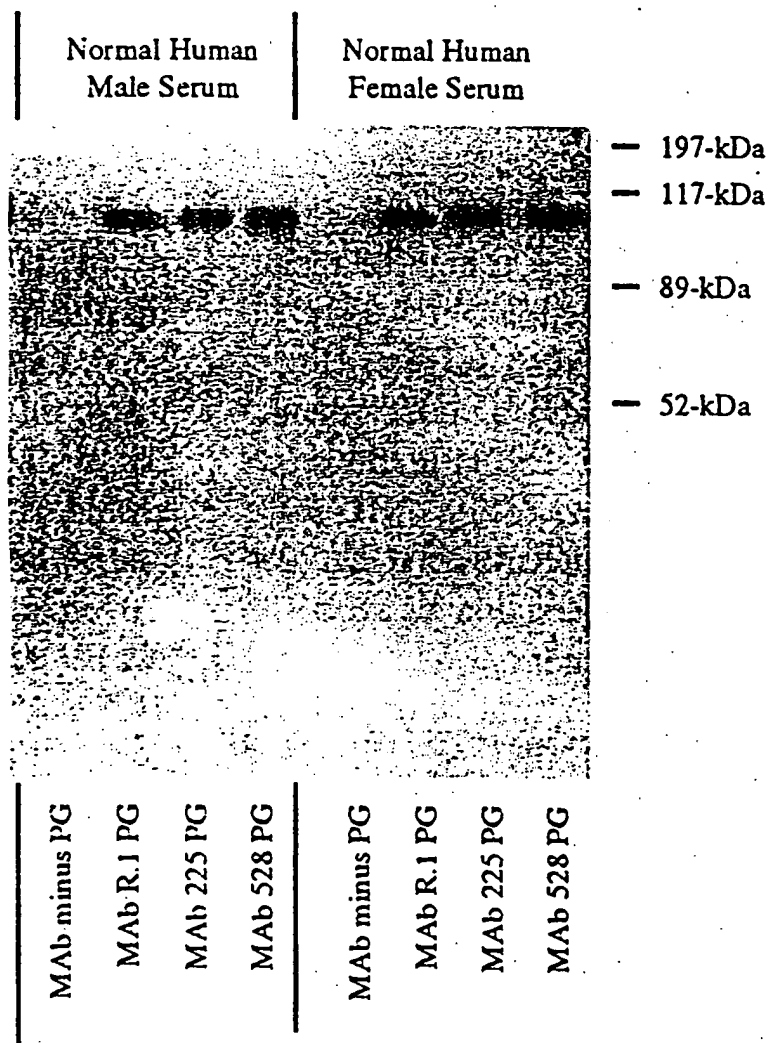
Serum sErbB1 levels in healthy women, patients with EOC, benign ovarian tumors, and other benign gynecological diseases as measured by ALISA and compared. Serum samples with sErbB1 levels below the inter-assay biological detection limit (horizontal line with arrow) of 5.89 fmol/ml were arbitrarily assigned values of 5.0 fmol/ml for graphing purposes. Each data point represents the median of the mean sErbB1 concentration for one serum sample tested in duplicate from a minimum of three separate assays. The median sErbB1 concentration for each group of patients is indicated by the horizontal line.

FIGURE 12

# FIGURE 13



# FIGURE 14



# FIGURE 15

